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☐ 1. Document ID: US 20080054899 A1

L11: Entry 1 of 35

File: PGPB

Mar 6, 2008

PGPUB-DOCUMENT-NUMBER: 20080054899

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080054899 A1

TITLE: MOTION CORRECTED <u>MAGNETIC RESONANCE</u> IMAGING

PUBLICATION-DATE: March 6, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
AKSOY; Murat	Stanford	CA	US
LIU; Chunlei	Fremont	CA	US
NEWBOULD; Rexford	Menlo Park	CA	US
BAMMER; Roland	Palo Alto	CA	US

US-CL-CURRENT: 324/307

Full Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims K	MC D	ravu Desc	Image			

☐ 2. Document ID: US 20070096732 A1

L11: Entry 2 of 35

File: PGPB

May 3, 2007

PGPUB-DOCUMENT-NUMBER: 20070096732

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070096732 A1

TITLE: Parallel <u>magnetic resonance</u> imaging method using a radial acquisition trajectory

PUBLICATION-DATE: May 3, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Samsonov; Alexey A.	Madison	WI	US
Arunachalam; Arjun	Madison	WI	US
Block; Walter F.	Madison	WI	US

US-CL-CURRENT: 324/309

Full Title	Citation Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims KWIC	Drawt Desc	Image			

☐ 3. Document ID: US 20060226837 A1

L11: Entry 3 of 35

File: PGPB

Oct 12, 2006

PGPUB-DOCUMENT-NUMBER: 20060226837

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060226837 A1

 $\mbox{\sc TITLE:}$ Methods and apparatus for $\mbox{\sc magnetic resonance}$ imaging in inhomogeneous fields

PUBLICATION-DATE: October 12, 2006

INVENTOR-INFORMATION:

NAME		CITY	STATE	COUNTRY
Epstein;	Charles L.	Philadelphia	PA	US
Magland;	Jeremy	Lansdale	PA	US

US-CL-CURRENT: 324/313; 324/307, 324/318

Full Title Citation Front Review Classification Date Reference Sequences
Attachments Claims KWIC Draw Deso Image

☐ 4. Document ID: US 20060214660 A1

L11: Entry 4 of 35 File: PGPB Sep 28, 2006

PGPUB-DOCUMENT-NUMBER: 20060214660

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060214660 A1

TITLE: ARTIFACT <u>REDUCTION</u> IN SSFP <u>MRI</u> USING SUPER FIELD VIEW

RECONSTRUCTION

PUBLICATION-DATE: September 28, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Lustig; Michael Stanford CA US
Pauly; John M. Redwood City CA US

US-CL-CURRENT: 324/309; 324/307

Full Title | Citation | Front | Review | Classification | Date | Reference | Sequences |
Attachments | Claims | KWIC | Draw Deso | Image |

5. Document ID: US 20060058630 A1

L11: Entry 5 of 35 File: PGPB Mar 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060058630

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060058630 A1

TITLE: Sub-sampled moving table mri

PUBLICATION-DATE: March 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Harvey; Paul Royston Eindhoven NL

US-CL-CURRENT: 600/410



☐ 6. Document ID: US 20060058629 A1

L11: Entry 6 of 35 File: PGPB Mar 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060058629

 ${\tt PGPUB-FILING-TYPE:}$

DOCUMENT-IDENTIFIER: US 20060058629 A1

TITLE: Magnetic resonance method

PUBLICATION-DATE: March 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Warntjes; Jan Bertus Marten Eindhoven NL
Van Den Brink: Johan Samuel Findhoven NL

Van Den Brink; Johan Samuel Eindhoven NL

US-CL-CURRENT: 600/410

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐ 7. Document ID: US 20050270024 A1

File: PGPB Dec 8, 2005 L11: Entry 7 of 35

PGPUB-DOCUMENT-NUMBER: 20050270024

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050270024 A1

TITLE: Method for parallel image reconstruction using automatic regularization

PUBLICATION-DATE: December 8, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Lin, Fa-Hsuan Taipei City TW

US-CL-CURRENT: 324/307

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw Desc Image

No. 10 September 10: US 20050253580 A1

L11: Entry 8 of 35 File: PGPB

Nov 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050253580 PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050253580 A1

TITLE: Method of pseudopolar acquisition and reconstruction for dynamic MRI

PUBLICATION-DATE: November 17, 2005

INVENTOR-INFORMATION:

Cheng, Hu

NAME CITY STATE COUNTRY Huang, Feng Gainesville FL

Gainesville

FL

Duensing, G. Randy Gainesville FL US

US-CL-CURRENT: 324/307; 324/309

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences Attachments Claims KWIC Draw Desc Image

9. Document ID: US 20050100202 A1

L11: Entry 9 of 35

File: PGPB

May 12, 2005

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050100202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050100202 A1

TITLE: Method for generating fast magnetic resonance images

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Huang, Feng Gainesville FL US

US-CL-CURRENT: 382/128

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw Desc Image

☐ 10. Document ID: US 20050020897 A1

L11: Entry 10 of 35 File: PGPB

PGPUB-DOCUMENT-NUMBER: 20050020897

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050020897 A1

TITLE: Magnetic resonance method for forming a fast dynamic image

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Fuderer, Miha Eindhoven NL

US-CL-CURRENT: 600/407; 436/173

Full Title Citation Front Review Classification Date Reference Sequences
Attachments Claims KWIC Draw Deso Image

☐ 11. Document ID: US 20040189299 A1

L11: Entry 11 of 35 File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040189299

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040189299 A1

TITLE: Nuclear <u>magnetic resonance</u> imaging apparatus and nuclear <u>magnetic resonance</u> imaging method

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Ikezaki, Yoshikazu Tokyo JP

US-CL-CURRENT: 324/309

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences |
Attachments | Claims | KMMC | Draw Desc | Image |

☐ 12. Document ID: US 20040167803 A1

L11: Entry 12 of 35 File: PGPB Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040167803

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040167803 A1

TITLE: Automatic coil selection of multi-receiver MR data using fast prescan data analysis

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
	** 1 - 1		***
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 705/2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

□ 13. Document ID: US 20040070394 A1

L11: Entry 13 of 35

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Gonzalez Ballester, Miguel Angel Nice FR JP

Machida, Yoshio Nasu-Gun US-CL-CURRENT: 324/307; 324/309

Full Title Citation Front	Review Classification	Date Reference	Sequences
Attachments Claims KMC [Oravu Desc Image		

☐ 14. Document ID: US 20040051529 A1

L11: Entry 14 of 35

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051529

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040051529 A1

TITLE: Method and system for extended volume imaging using $\underline{\text{MRI}}$ with parallel reception

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Zhu, Yudong Clifton Park NY US
Dumoulin, Charles Lucian Ballston Lake NY US

Dumoulin, Charles Lucian Ballston Lake NY

US-CL-CURRENT: 324/318; 324/307, 324/309

 Full
 Title
 Citation
 Front
 Review
 Classification
 Date
 Reference
 Sequences

 Attachments
 Claims
 KWIC
 Draw Desc
 Image

☐ 15. Document ID: US 20040044280 A1

L11: Entry 15 of 35

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040044280

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040044280 A1

TITLE: Methods & apparatus for magnetic resonance imaging

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Paley, Martyn Keighly GB Lee, Kuan Sheffield GB

US-CL-CURRENT: 600/410



☐ 16. Document ID: US 20040039276 A1

L11: Entry 16 of 35 File: PGPB Feb 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040039276

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040039276 A1

TITLE: Magnetic resonance imaging apparatus

PUBLICATION-DATE: February 26, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Ikezaki, Yoshikazu Tokyo JP

US-CL-CURRENT: 600/407

Full Title Citation Front Review Classification Date Reference Sequences
Attachments Claims KWIC Draw Desc Image

☐ 17. Document ID: US 20020186870 A1

L11: Entry 17 of 35 File: PGPB Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020186870

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020186870 A1

TITLE: Automatic coil selection of multi-receiver MR data using fast

prescan data analysis

PUBLICATION-DATE: December 12, 2002

TNVENTOR-INFORMATION:

NAME STATE COUNTRY CITY

Ma, Jingfei WI US Waukesha Tan, Guosheng Waukesha WΙ

US-CL-CURRENT: 382/131; 382/282

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

☐ 18. Document ID: US 20020167315 A1

L11: Entry 18 of 35 File: PGPB Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020167315

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020167315 A1

TITLE: Ghost artifact cancellation using phased array processing

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kellman, Peter Bethesda MD US McVeigh, Elliot R. Phoenix MD US

US-CL-CURRENT: 324/307; 324/309

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐ 19. Document ID: US 7309986 B2

L11: Entry 19 of 35 File: USPT Dec 18, 2007

US-PAT-NO: 7309986

DOCUMENT-IDENTIFIER: US 7309986 B2

TITLE: Methods and apparatus for magnetic resonance imaging in

inhomogeneous fields

DATE-ISSUED: December 18, 2007

PRIOR-PUBLICATION:

DOC-ID DATE

US 20060226837 A1 October 12, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Epstein; Charles L. Philadelphia PA US
Magland; Jeremy Lansdale PA US

US-CL-CURRENT: 324/309

☐ 20. Document ID: US 7202663 B2

L11: Entry 20 of 35

File: USPT Apr 10, 2007

US-PAT-NO: 7202663

DOCUMENT-IDENTIFIER: US 7202663 B2

TITLE: Method for generating fast magnetic resonance images

DATE-ISSUED: April 10, 2007

PRIOR-PUBLICATION:

DOC-ID DATE

US 20050100202 A1 May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Huang; Feng Gainesville FL US

US-CL-CURRENT: 324/307; 324/309

Full Title Citation Front Review Classification Date Claims KMC Draw Desc Image

☐ 21. Document ID: US 7132828 B2.

L11: Entry 21 of 35 File: USPT Nov 7, 2006

US-PAT-NO: 7132828

DOCUMENT-IDENTIFIER: US 7132828 B2

TITLE: Artifact reduction in SSFP MRI using super field view

reconstruction

DATE-ISSUED: November 7, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20060214660 A1

September 28, 2006

INVENTOR-INFORMATION:

STATE ZIP CODE COUNTRY NAME CITY

Lustig; Michael

Stanford CA

Pauly; John M.

Redwood City CA

US US

US-CL-CURRENT: 324/309; 324/307



☐ 22. Document ID: US 7064547 B1

L11: Entry 22 of 35

File: USPT

Jun 20, 2006

US-PAT-NO: 7064547

DOCUMENT-IDENTIFIER: US 7064547 B1

** See image for Certificate of Correction **

TITLE: Method and apparatus of M/r imaging with coil calibration data acquisition

DATE-ISSUED: June 20, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Kevin F.	New Berlin	WI		US
Angelos; Elisabeth	Hartland	WI		US
Polzin: Jason A.	Lake Mills	WT		US

US-CL-CURRENT: 324/309



☐ 23. Document ID: US 7053613 B2

L11: Entry 23 of 35

File: USPT

May 30, 2006

US-PAT-NO: 7053613

DOCUMENT-IDENTIFIER: US 7053613 B2

 $\ensuremath{ \mbox{TITLE:}}$ Method for parallel image reconstruction using automatic regularization

DATE-ISSUED: May 30, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20050270024 A1 December 8, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Lin; Fa-Hsuan Taipei City TW

US-CL-CURRENT: 324/307; 324/309



☐ 24. Document ID: US 7019523 B2

L11: Entry 24 of 35 File: USPT

Mar 28, 2006

US-PAT-NO: 7019523

DOCUMENT-IDENTIFIER: US 7019523 B2

TITLE: Nuclear magnetic resonance imaging apparatus and nuclear magnetic

resonance imaging method

DATE-ISSUED: March 28, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20040189299 A1 September 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ikezaki; Yoshikazu Tokyo JΡ

US-CL-CURRENT: 324/309; 324/307



☐ 25. Document ID: US 7009396 B2

L11: Entry 25 of 35 File: USPT Mar 7, 2006

US-PAT-NO: 7009396

DOCUMENT-IDENTIFIER: US 7009396 B2

TITLE: Method and system for extended volume imaging using MRI with parallel reception

DATE-ISSUED: March 7, 2006

PRIOR-PUBLICATION:

DOC-TD DATE

IIS 20040051529 A1 March 18, 2004

INVENTOR-INFORMATION:

NAME

STATE ZIP CODE COUNTRY CITY

Clifton Park NY Zhu; Yudong US Dumoulin; Charles Lucian Ballston Lake NY US

US-CL-CURRENT: 324/309; 600/410, 600/415

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

☐ 26. Document ID: US 6980001 B2.

L11: Entry 26 of 35 File: USPT

Dec 27, 2005

US-PAT-NO: 6980001

DOCUMENT-IDENTIFIER: US 6980001 B2

TITLE: Methods & apparatus for magnetic resonance imaging

DATE-ISSUED: December 27, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Paley; Martyn Keighly GB Sheffield Lee: Kuan GB

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Claims KMC Draw Desc Image

27 Document ID: US 6961455 B2.

L11: Entry 27 of 35 File: USPT Nov 1, 2005

US-PAT-NO: 6961455

** See image for Certificate of Correction **

 $\mbox{\sc TITLE:}$ Automatic $\mbox{\sc coil}$ selection of multi-receiver MR data using fast prescan data analysis

DATE-ISSUED: November 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ma; Jingfei Waukesha WI Tan; Guosheng Waukesha WI

US-CL-CURRENT: 382/131; 324/309, 382/274



☐ 28. Document ID: US 6949928 B2

L11: Entry 28 of 35 File: USPT Sep 27, 2005

US-PAT-NO: 6949928

DOCUMENT-IDENTIFIER: US 6949928 B2

TITLE: Parallel MR imaging using high-precision coil sensitivity map

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gonzalez Ballester; Miguel Angel Nice FR
Machida; Yoshio Tochiqi JP

US-CL-CURRENT: 324/307; 324/309, 324/318



☐ 29. Document ID: US 6842001 B2

L11: Entry 29 of 35

File: USPT

Jan 11, 2005

US-PAT-NO: 6842001

DOCUMENT-IDENTIFIER: US 6842001 B2

** See image for <u>Certificate of Correction</u> **

TITLE: MRI systems with parallel receivers for phase correction

DATE-ISSUED: January 11, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ikezaki; Yoshikazu Tokyo JP

US-CL-CURRENT: 324/309; 324/306, 324/307



☐ 30. Document ID: US 6771067 B2

L11: Entry 30 of 35

File: USPT

Aug 3, 2004

US-PAT-NO: 6771067

DOCUMENT-IDENTIFIER: US 6771067 B2

** See image for Certificate of Correction **

TITLE: Ghost artifact cancellation using phased array processing

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Kellman; Peter Bet.hesda MD McVeigh; Elliot Phoenix MD

US-CL-CURRENT: 324/307; 324/309



☐ 31. Document ID: US 6724923 B2

L11: Entry 31 of 35

File: USPT

Apr 20, 2004

US-PAT-NO: 6724923

DOCUMENT-IDENTIFIER: US 6724923 B2

TITLE: Automatic coil selection of multi-receiver MR data using fast prescan data analysis

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Waukesha WT Ma; Jingfei Tan; Guosheng Waukesha WI

US-CL-CURRENT: 382/131; 382/132, 382/218, 382/264, 382/274, 600/410



☐ 32. Document ID: US 6091243 A

L11: Entry 32 of 35 File: USPT Jul 18, 2000

US-PAT-NO: 6091243

DOCUMENT-IDENTIFIER: US 6091243 A

TITLE: Water-fat imaging with direct phase encoding (DPE)

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Xiang; Qing-San Vancouver CA
An; Li Vancouver CA

US-CL-CURRENT: 324/307; 324/309



☐ 33. Document ID: US 5086275 A

L11: Entry 33 of 35 File: USPT Feb 4, 1992

US-PAT-NO: 5086275

DOCUMENT-IDENTIFIER: US 5086275 A

TITLE: Time domain filtering for NMR phased array imaging

DATE-ISSUED: February 4, 1992

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Roemer; Peter B. Schenectady NY

US-CL-CURRENT: 324/309; 324/318, 324/322



☐ 34. Document ID: WO 2004065976 A1

L11: Entry 34 of 35

File: EPAB

Aug 5, 2004

PUB-NO: WO2004065976A1

DOCUMENT-IDENTIFIER: WO 2004065976 A1 TITLE: SUB-SAMPLED MOVING TABLE MRI

Full	Title	Citation	Front	Review	Class	ification	Date	
Referenc	e		A Laborat	CI.	ims	KWIC	Draw Desc	Image

☐ 35. Document ID: WO 2004065976 A1, AU 2003300665 A1, EP 1588182 A1, US 20060058630 A1, JP 2006512991 W, CN 1739037 A

L11: Entry 35 of 35

File: DWPI

Aug 5, 2004

DERWENT-ACC-NO: 2004-593569

DERWENT-WEEK: 200643

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TITLE: <u>Magnetic resonance</u> method for imaging of abdomen, involves reconstructing image from sub<u>sampled</u> signals weighted with <u>sensitivity</u> factor of receiving <u>coil</u> at respective imaging position



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